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Applicant(s): Jeffrey K. Reinemann
RESOURCE UTILIZATION MANAGEMENT

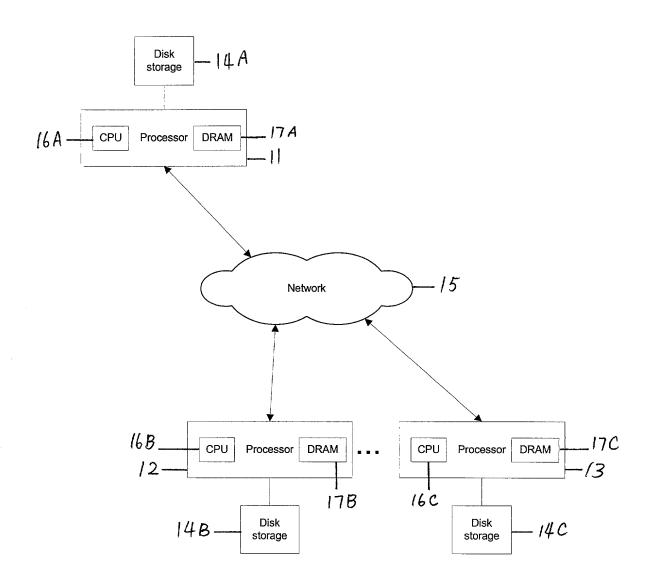


FIG. 1

.24 Disk storage -21 25 26 Out-of-Range Policy 23-CPU Manager Process Cache -20 28 API Operating System DRAM Memory 22-Accounting Manager 29 27 15 Network

Other Processors

FIG. 2

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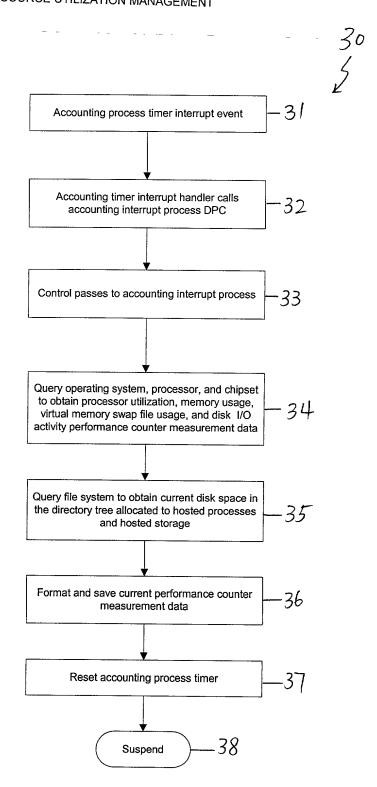


FIG. 3

411 4/2 415 414 Control Policy Policy Manager passes to Loop Request performance status Manager interrupt handler Each policy through from accounting process for timer calls policy hosted manager all hosted interrupt process DPC interrupt the hosted process and for process interrupt overall processes processes event process Yes 4/6 418 419 Are all Accounting process reads, performance Compare actual status data values formats, and returns the Are there any more performance status within negotiated requested performance hosted processes? data to negotiated limits limits? status to policy manager process 420 42/ ļ. THE TWO SAME STATES Call out-of-range process, passing all Out-of-range process -No performance status returns control captured No LÍ Ξ ļi Yes-TL! 422 423 424 ļ. ٠ ا Each is hard Request hosted storage hard Loop through all disk storage hosted disk storage consumption hosted storages Yes within negotiated storage from I/O system limit? 425 Set flag for hosted process I/O support to return a disk-full error Áre there any 426. message. Clear the flag when more hosted hosted process frees up some disk storages? End of hosted storages storage space. 427 Reset policy manager Suspend 428 FIG. 4 timer

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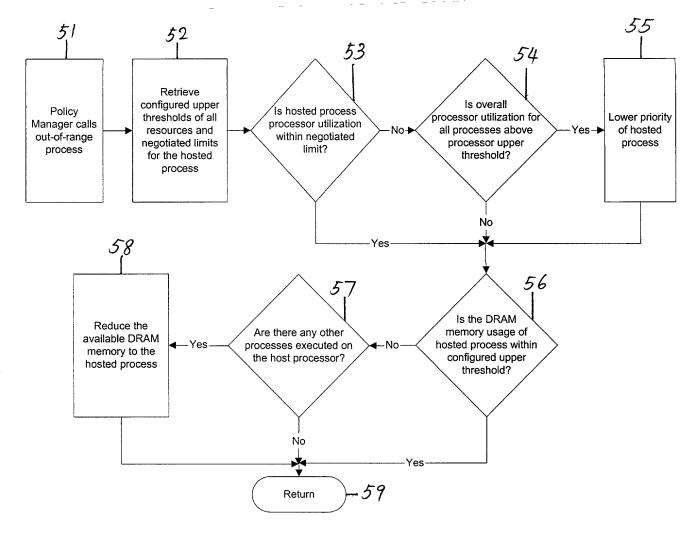


FIG. 5